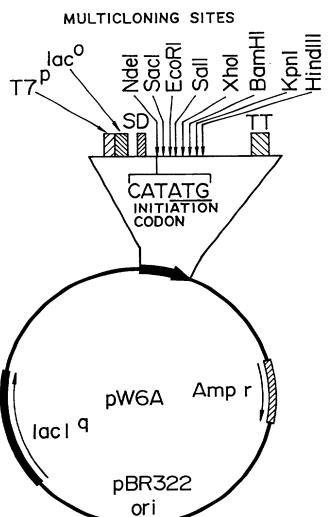
F | G. | DETAILED DIAGRAM OF EXPRESSION VECTOR pW6A



T7^p

: T7 PROMOTER

lac ⁰

: lac operater

SD

: SHINE-DALGARNO SEQUENCE

TT

: T7 TRANSCRIPTIONAL TERMINATOR

Amp r

: B LACTAMASE

lac I q

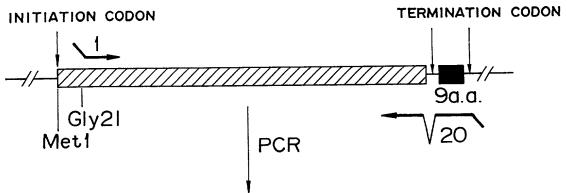
: lac repressor

pBR322 ori

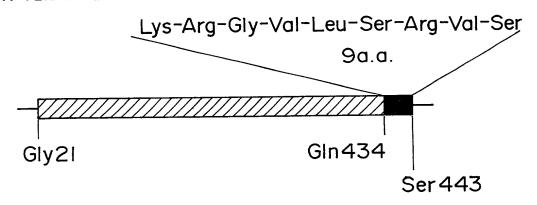
: REPLICATION ORIGIN

FIG. 2
PREPARATION OF GENE ENCODING 47K ANTIGEN

GENE ENCODING 47K ANTIGEN ON GENOMIC DNA

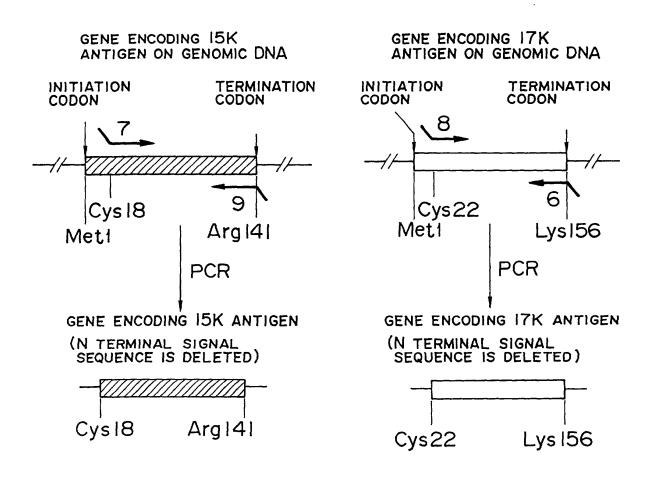


GENE ENCODING 47K ANTIGEN WITH C TERMINAL EXTRA SEQUENCE (N TERMINAL SIGNAL SEQUENCE IS DELETED)



: PRIMER

FIG. 3 PREPARATION OF GENE ENCODING 15K ANTIGEN AND 17K ANTIGEN



PRIMER

F I G. 4 DETAILED DIAGRAM OF EXPRESSION VECTOR FOR TWO-ANTIGEN FUSED ANTIGEN INITIATION CODON pW6A-15-17 TERMINATION CODON PO SD 15ĸ 17ĸ Ndel BamHI pW6A-15-47 INITIATION TERMINATION CODON CODON 15_K 47_K Sall BamHI Ndel pW6A-47-17 INITIATION TERMINATION CODON 47_K 7ĸ Sall Ndel BamHl pW6A-47-15 INITIATION CODON TERMINATION CODON PO SD 15ĸ Ndel Sall TERMINATION BamHi INITIATION CODON pW6A-17-15 CODON 15ĸ 1 Ndel Xhol Sall BamHI pW6A-17-47 INITIATION CODON TERMINATION CODON PO SD 47_K Ndel Xhol Sall BamHI

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F | G. 5

DETAILED DIAGRAM OF EXPRESSION VECTOR FOR THREE-ANTIGEN FUSED ANTIGEN

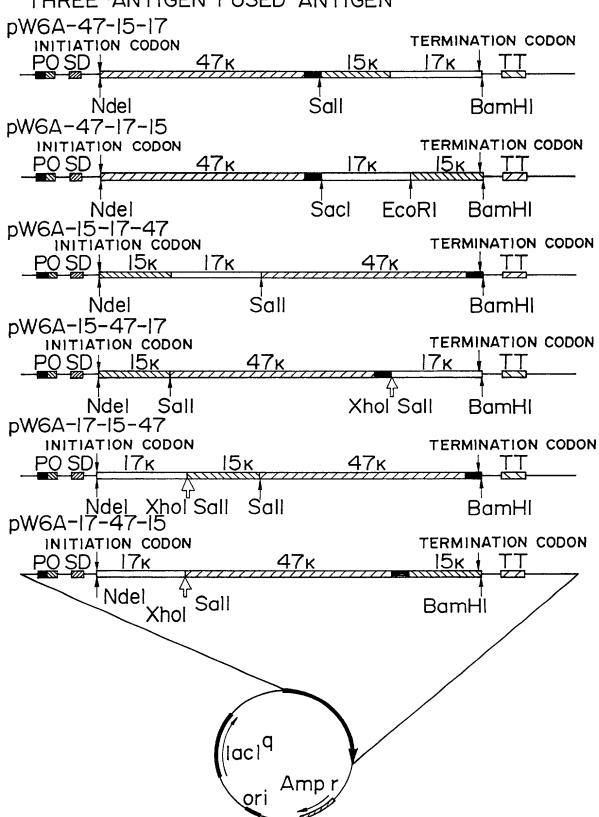
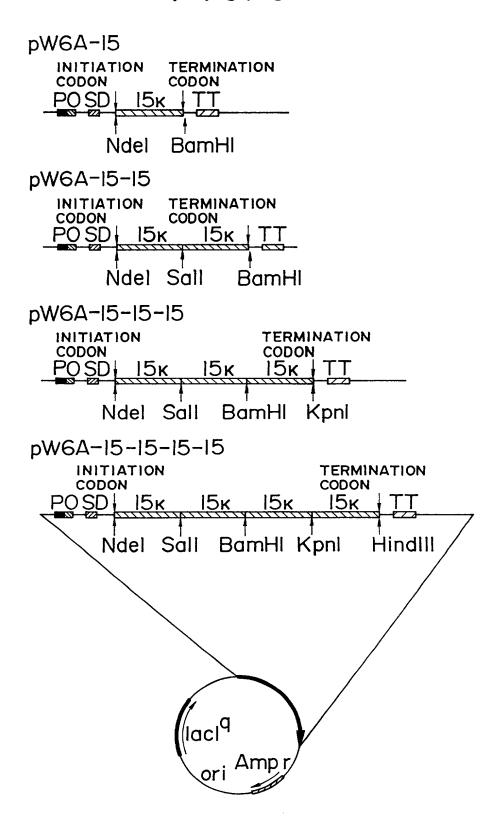


FIG. 6



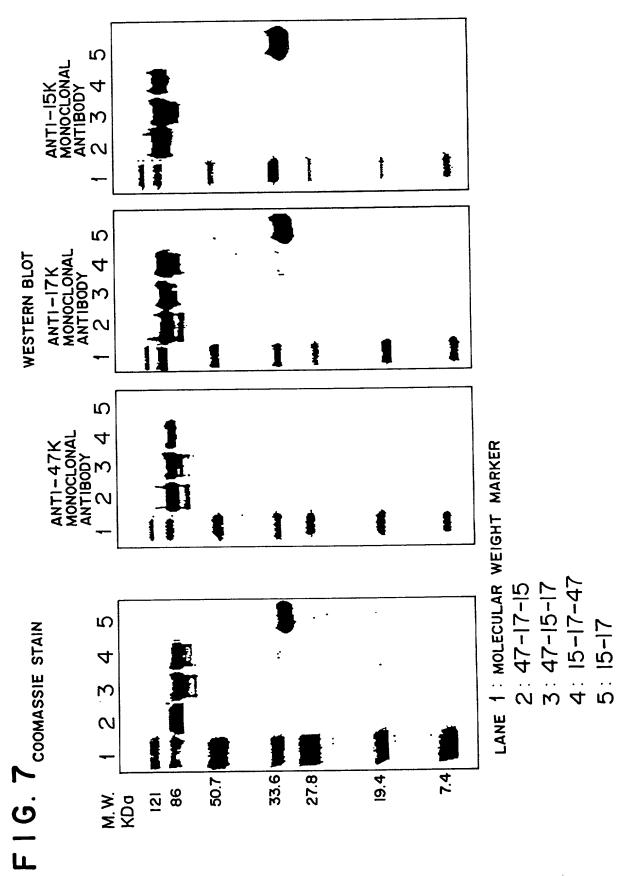
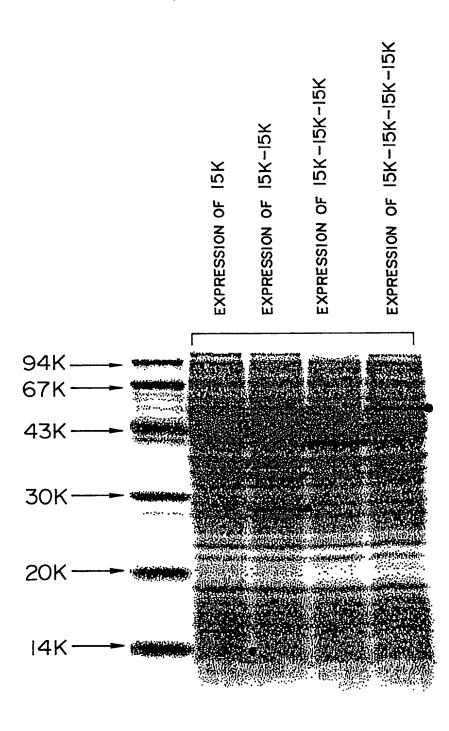


FIG. 8

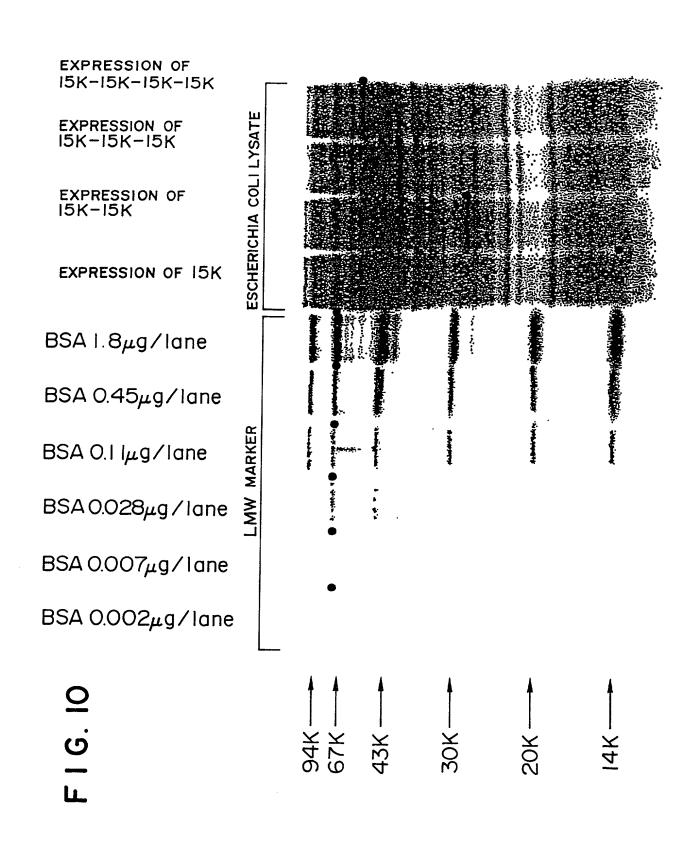


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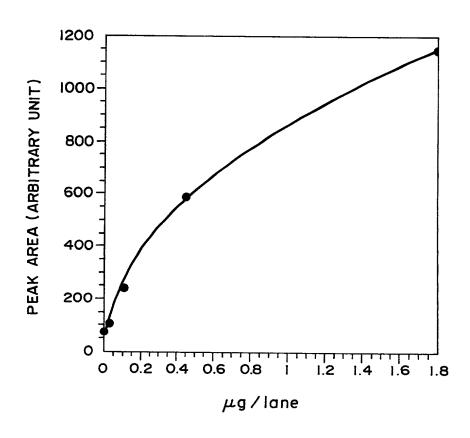
F I G. 9

	EXPRESSION OF 15K	EXPRESSION OF 15K-15K	EXPRESSION OF 15K-15K	EXPRESSION OF 15K-15K-15K-15K
123K —-			· · · · · ·	
85K —— 50K ——			*	
		•		
33K		markini e e e e e		
29K — -				
19K 	مادر المادر			

8K -



F | G. | I



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